AMENDMENTS TO THE SPECIFICATION

In the Specification

Please substitute the following amended paragraph(s) and/or section(s) (deleted matter is shown by strikethrough and added matter is shown by underlining):

Page 4, line 2, please add the following header:

Field of the Invention

Page 4, line 5, please add the following header:

Background of the Invention

Page 6, line 26 – line 29, please amend the paragraph as follows:

In citation [2] N. Rosa, L. Capasso, A. Romano: A New Method of Calculating Intraocular Lens Power After Photoreactive Keratectomy, Journal of Refractive Surgery Vol 10, November/December 2002, p. 720 whose disclosures are hereby ~~being fully referred to~~ incorporated by reference, these problems are explained in detail but without stating a satisfactory solution.

Page 6, line 30, please add the following header:

Summary of the Invention

Page 7, line 21, please add the following header:

Brief Description of the Drawings

Page 7, line 26, please add the following header:

Detailed Description of the Invention

Page 8, line 26 – line 30, please amend the paragraph as follows:

Provided that keratometry is available before the refractive intervention, it is possible to derive the anterior radius effective after the intervention according to the "Refractive history method", as described in the literature [3]: Haigis W: Hornhautbrechkraft und Refraktionsmethode. Klin Monatsbl Augenheilk 220, Suppl 1, 17, 2003 which is ~~here fully referred to in content~~ incorporated by reference.

Page 9, line 17 – line 18, please amend the paragraph as follows:

-       derivation from $R1C_{pre}$ from preoperative keratometry. This may require [[to]] consideration of the so-called keratometer index of the keratometer used.

Page 9, line 25 – line 29, please amend the paragraph as follows:

In this example, f2 is a transformation function which for instance has been determined statistically. In general, [[a]] an S-shaped dependency of the corneal radius of the axis length can be expected here (R=R(AL)), as shown in the literature [4] Haigis W: Biometrie, in: Augenärztliche Untersuchungsmethoden, Straub W, Kroll P, Küchle HJ (Ed.), F.Enke Verlag

Stuttgart, 255-304, 1995 whose disclosures are hereby being fully referred to incorporated by reference.

Page 9, line 30 – page 10, line 2, please amend the paragraph as follows:

The [[axis]] axial length available after the refractive intervention differs only slightly differs from the preoperative [[axis]] axial length (that is to say, by the ablation depth of typically approx. 150μm) so that using the current postoperative axis length when deriving R1C$_{pref}$ instead of the preoperative value of the axis length will produce negligible errors.